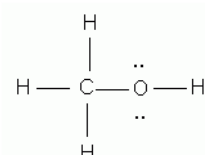
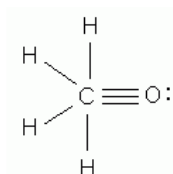
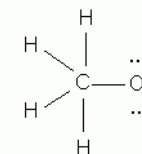
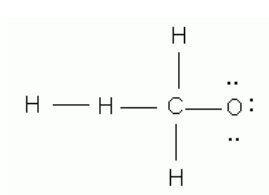


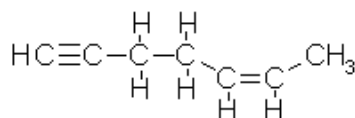
Assignment 1: Fundamental of Organic Chemistry

1. Draw the Lewis structure for formaldehyde, CH_2O .
2. Which of the following is the correct Lewis structure for methanol, CH_4O ?



3. What is octet rule?

4. Draw the hybridization structure diagram for below:



5. Draw the Lewis structure for diatomic nitrogen molecule.
6. The hybridization of the central carbon in $\text{CH}_3\text{C}\equiv\text{N}$ and the bond angle CCN are
 - a. sp^2 , 180° .
 - b. sp , 180° .
 - c. sp^2 , 120° .
 - d. sp^3 , 109° .
7. What are the hybridizations of carbons 1 and 2 respectively in the following structure?



8. Draw the below condensed structure in line angle formula

